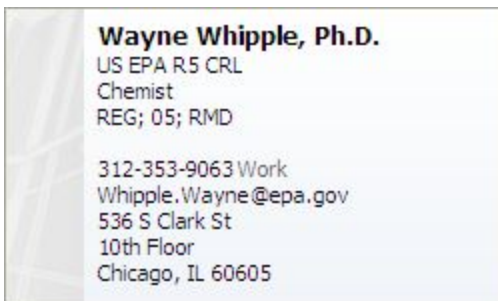


From: [Whipple, Wayne](#)
To: [Oliver, Karen](#)
Cc: [Caudill, Motria](#); [Whitaker, Donald](#)
Subject: RE: Draft slides
Date: Tuesday, July 07, 2015 2:02:00 PM
Attachments: [image003.png](#)

I ain't got no time for all this stuff!!! Besides, the final presentation was already submitted. I guess if I talk nicely to the chair of the session I might be able to do something.

As far as the duplicates, were those the collocated samples of a series of duplicates run in the lab? (I am assuming since they are tubes they are the collocated, but I want to be sure.)



From: Oliver, Karen
Sent: Tuesday, July 07, 2015 1:56 PM
To: Whipple, Wayne
Cc: Caudill, Motria; Whitaker, Donald; Oliver, Karen
Subject: RE: Draft slides

Wayne,

We've submitted the draft slides through our ORD STICS clearance process and Eben Thoma reviewed the presentation and raised some good points. We've included those as attachments for your review.

We've also included a slide which could be completed with canister results and which will address Eben's comment about duplicate samples. Motria emailed us with a similar question that the two of you had been discussing last week.

Regarding the proximity issue, we do think that this should be raised as a concern. The requirements for NATTS and PAMS don't address the use of these extremely low flow samplers. Samples collected on the order of a few mLs or less per minute can be placed side-by-side without compromising the results. The collocation siting requirements for NATTS are really meant for sample volumes that are orders of magnitude higher than we are dealing with here. The results are good as they stand but we have seen from experience that they would likely improve if the samplers were placed side-by-side.

One more comment from Karen: I would suggest revising "GC-MS" on slide 4 to "VOC

Preconcentrator/GC-MS" so that it is more descriptive of the analytical method.

If changes are made to the presentation, please send us a copy to submit with our clearance package.

Thanks and we hope your presentations go well next week!

Karen

Karen D. Oliver
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From: Caudill, Motria
Sent: Wednesday, July 01, 2015 2:51 PM
To: Whipple, Wayne; Oliver, Karen; Whitaker, Donald
Subject: RE: Draft slides

Hi folks – I've made most of the suggested changes.

I don't recommend commenting on the distance between inlets. As we speak, OAQPS is working on the official guidance for air toxics collocation spacing. In the meantime, though, our monitoring folks have spaced VOC samplers according to the existing guidance for other passive and low-flow monitors: between 1-4 meters. If they are too close, then there is the potential for one monitor to affect another's intake (less of an issue for passives). You'd have to be several meters apart before there begins to be an issue with the air quality differing to any significant/measurable degree. We deployed our samplers so that all inlets were within 2 meters.

In other news, I figured out that my main contact at BP left the organization and my emails have been going into a black hole. Wayne, I'm going to copy you on a message to Linda Wilson (Jim's old boss) who may have comments on how BP's program is described. I'll be on vacation starting middle/end of next week, so she may have to contact you directly. FYI, her number is 219-473-3287.

-Motria

From: Oliver, Karen

Sent: Monday, June 22, 2015 2:55 PM
To: Caudill, Motria
Cc: Whipple, Wayne; Whitaker, Donald
Subject: FW: Draft slides
Importance: High

Motria,

Here are some comments from Don and me on the NEMC slides for you and Wayne to consider:

Slide 3 “Is this new monitoring method any good?!” - We feel that it would be better to use a word such as “proposed” rather than “new” here since diffusive sampling methods like this one have been around for a while. **OK**

Slide 4 I’ve attached a photo of our canister GC-MS system that could be used rather than the current one that has the liquid autosampler. **OK**

Slide 6 I’ve attached a photo of our TD-GC-MS system that could be used to replace the one in slide 6 that shows the GC-MS with the liquid autosampler. **OK**

Slide 6 Suggest slide title change to the following (modifications underlined) “Proposed method – Passive tubes, collection via modified Method 325A, analysis via modified Method 325B” (Note: The 325A and B methods are based in part on our Carbopack X tube methods, but we currently are not necessarily following every procedure that they have proposed.) **OK**

Slide 7 A period is missing at the end of the statement in the first bullet. **OK**

Slide 9 Talking points:

- a.) The one week sample deployment period for the Whiting study deviates from the proposed method which specifies two-week sample periods. **OK**
- b.) The inlets for the canisters/tubes/GC should have been placed right together in order to obtain the best comparison data possible. (I’ve attached a few photos of our canister and tube inlet setup as examples.) This point could be mentioned in the Conclusions on slide 19 as well. **NOPE** 😊

Slide 20 Please add that the EPA-ORD efforts were supported by Lillian Alston (Senior Environmental Employment Program), Tamira Cousett (Alion Science and Technology Corporation), and Maribel Colon and Tai Wu (US EPA). **OK**

Thanks!

Karen

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From: Caudill, Motria
Sent: Wednesday, June 17, 2015 9:29 AM
To: Whipple, Wayne; Oliver, Karen; Whitaker, Donald
Subject: Draft slides

Hi guys – attached are draft slides. I will check in later today with BP to see whether we can salvage their benzene data. (see below, their data correlate, but are really high at Sites #1 and 4).

We have 30 minutes allotted. We can add a slide or two, but let's not overdo it. I can talk with Wayne and/or write up some speaker notes to help point out important take-aways for the graphics.

Any input appreciated.

